2015

Fall Seed Guide 2015

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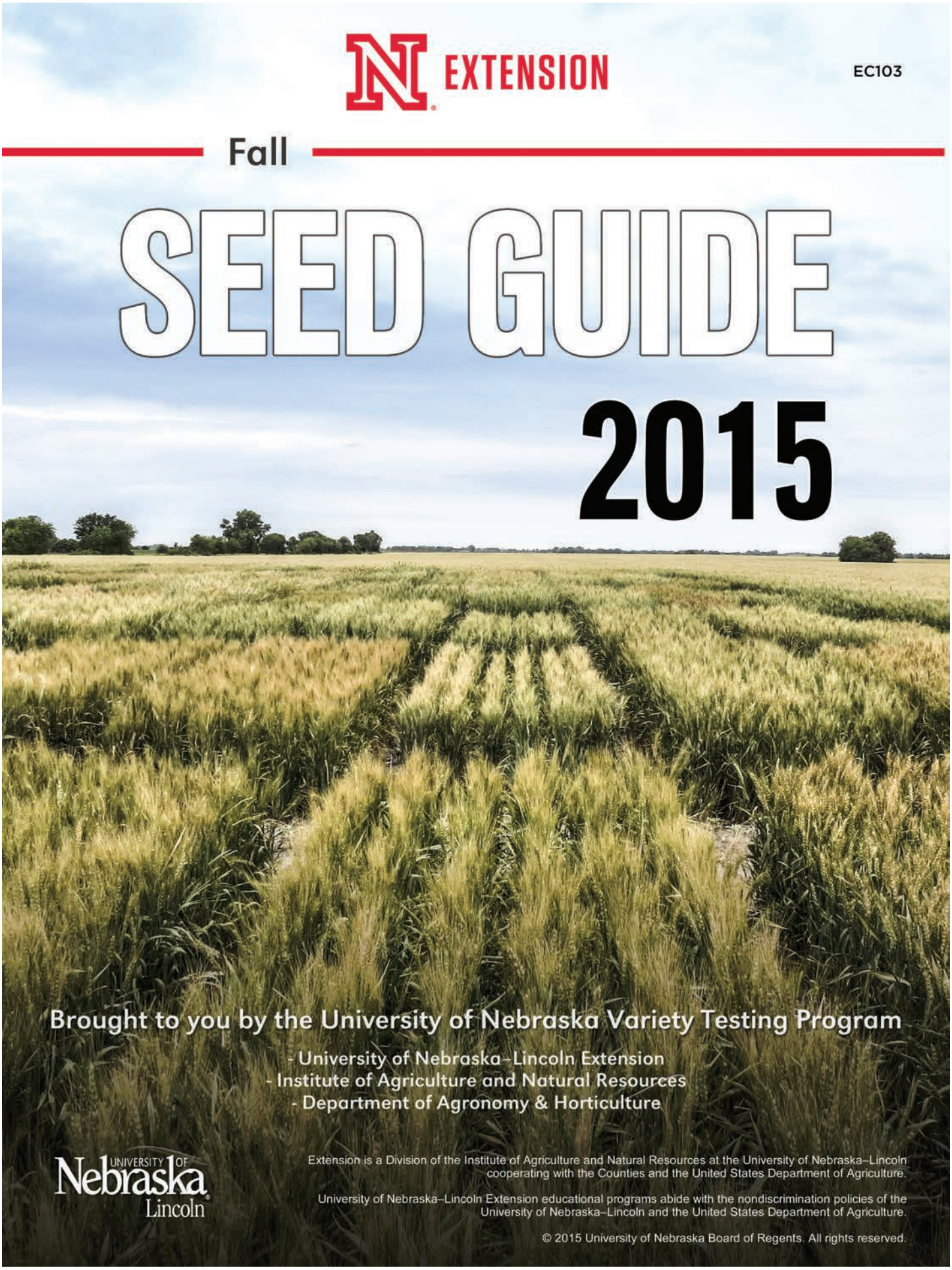

EXTENSION

EC103

Fall

SEED GUIDE 2015

Brought to you by the University of Nebraska Variety Testing Program

- University of Nebraska–Lincoln Extension
- Institute of Agriculture and Natural Resources
- Department of Agronomy & Horticulture

University of Nebraska Lincoln

WELCOME TO THE 2015 FALL SEED GUIDE

Crops included in this guide are winter wheat, winter barley, and triticale. You may receive this guide in the mail or through the University of Nebraska Extension network. The data and other information this guide is can be found at our web site: http://cropwatch.unl.edu/varietytest/ and http://www.unl.edu/ncia. Additional information is available at the wheat variety virtual tour web site http://cropwatch.unl.edu/wheat/virtual or the winter wheat variety selection tool page http://citnews.unl.edu/winter_wheat_tool/index.shtml.

The last season was hard on Nebraska winter wheat. Emergence was poor in the west due to dry conditions. On the other hand, some plots in the east had to be replanted due to plot washout from heavy rain after sowing (6 inches in one day!). Elsewhere, it was moist soil conditions at planting for the majority of the locations. Freezing temperatures and snow in early May significantly damaged crop stands in the Panhandle. Strip leaf rust with intensities up to 100 foliage cover and Fusarium head blight disease with varying intensities were observed across the state. Disease score of varieties for the season is shown (where available) at http://cropwatch.unl.edu/varietytest. Severity of strip rust was high in the east and strip rust severity dropped moving north and west. Rainfed plots in Sheridan County were lost to hail damage. Test plots at both irrigated counties, Chase and Box Butte, were lots to the elements. Other additional challenges to the winter wheat crop in 2015 included wet and cool growing conditions at stem elongation, dry conditions at grain filling, and some insect pest problems in the west. Yield and quality parameters were very poor for most of the test plots when compared to the earlier years. Please exercise caution in using this year's data when advising producers which cultivar to grow.

- Teshome Regassa, Ph. D.

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- August 2015 -

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ACKNOWLEDGMENTS

This circular is a progress report of variety trials conducted by personnel of the Agronomy Department, West Central, and Panhandle Research and Extension Centers and their associated agricultural laboratories. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service. Tests were supported in part by fees paid by commercial seed companies and the Nebraska Wheat Board.

Special acknowledgment is made to farmer cooperators who furnished land for experiments; also to Extension Educators and others who assisted with the tests. The authors wish to acknowledge the assistance of the technical support staff: Neal Mattox, Greg Dorn, Richard Little, Jeff Golus, Vern Florke, Mary Guttieri, Mitch Montgomery, Jerry Nachtman, and many student workers and graduate students. Their help is vital to this research.

We would like to thank the Nebraska Wheat Board for contributing wheat check-off money and the Nebraska Agricultural Statistics Service for compiling data on varieties and production of wheat.

This circular reports data from winter wheat trials conducted throughout Nebraska. Entries include commercial varieties and promising experimental lines from Nebraska, surrounding states, and private breeders. The state has been divided into four districts for the purposes of variety testing (Panhandle, West Central, South Central, and Southeast).

WINTER WHEAT PERFORMANCE

There were 13 trials planted across Nebraska in the fall of 2014. Data from the Dawes County, Box Butte County Irrigated, and Chase County Irrigated sites was not collected due to winterkill, high rates of disease (leaf rust), hail damage, or weeds in these fields. Names of cooperators, trial locations, planting dates, harvest dates, highest location mean yield, and mean of top five varieties are shown in Table A. Location specific information such as soil type, tillage, previous crop, and fertilizer applications are shown in Table B. Plot sizes varied with location. Nursery-type plots six rows wide and 20 to 35 feet long were planted at other locations. All tests were direct combined. Entries were replicated 3 to 6 times.

Protein data was collected from two replicates at each location. The protein data was combined within each district and reported in the district tables. Protein was determined from whole grain using a Perten DA 7250 Near Infrared Spectrometer. Please refer to the Variety Test Home Page for individual site yields, disease score, and other relevant information at the following link: http://cropwatch.unl.edu/varietytest.

Average Nebraska Winter Wheat Yield (all practices)

Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Yield (bu/a)	39	36	43	44	48	43	44	42	35	49	42
NE Total (mill. bu)	68.64	61.2	84.28	73.48	76.8	64.07	65.25	55.44	41.76	71.05	54.6

Source: National Agricultural Statistics Service (http://www.nass.usda.gov)

WHEAT SEED TREATMENTS ESPECIALLY IMPORTANT IN 2015

Fungicide seed treatments help reduce losses caused by seed-transmitted and soilborne fungal diseases of wheat. Some seed treatment products contain a fungicide and an insecticide and offer additional protection against fall insects such as aphids.

This year it will be especially important to use fungicide-treated seed because there were widespread epidemics of Fusarium head blight, also known as scab (Figure 1). The scab fungus infects and stays in the grain, resulting in shriveled, chalky white or pinkish kernels known as Fusarium-damaged kernels, scabby kernels, or "tombstones." Kernels infected in later stages of development contain the fungus but look normal. If Fusarium-infected grain is not treated with a fungicide and is used as seed for the next crop, stand establishment can be significantly reduced.

Another reason why it is important to use fungicide-treated seed this year is that flag smut, a rare seed transmitted disease that can cause significant yield loss if severe and widespread, was found in several counties in Kansas, including counties close to the Nebraska border. Some countries will not import wheat from countries or states that have flag smut. Therefore, the economic implications of flag smut can be significant at a state or regional level.

Figure 1. Severe Fusarium head blight in a grower's field in Saunders County on June 19, 2015. Grain from a field like this will be Fusarium-infected and should be cleaned and treated with a systemic fungicide if it is to be used as seed for the next wheat crop.

Seed-Transmitted Diseases

Seed-transmitted fungal diseases of wheat include common bunt, also known as stinking smut (Figure 2); loose smut (Figure 3), flag smut, black point (Figure 4), ergot (Figure 5) and diseases caused by Fusarium (Figure 6). These diseases can cause varying levels of yield loss and occasionally total loss.

Loss results from seedling blights and damping off caused by some of the causal fungi and grain loss caused by common bunt and loose smut fungi. In the case of common bunt, if it is widespread in a field, total loss is almost certain due to rejection at the elevator. In addition to loss in quantity, these diseases also lower grain quality and therefore value because affected grain is downgraded.

Figure 2. Bunt balls (spore-filled grain) containing spore masses of the common bunt (stinking smut) fungus.

Figure 3. Loose smut. Spores of the fungus replace grain on the wheat head

Figure 4. Black point. The disease is caused by several fungi during grain maturation. The fungi blacken the embryo end of the grain.

Soilborne Diseases

Soilborne fungal diseases of wheat include common root rot, Pythium root rot, Rhizoctonia root rot, and Fusarium root, crown, and foot rots. These diseases often go unnoticed because they affect the roots and crowns and therefore are not as visible as foliar diseases. However, they cause significant yield loss resulting from poor stand establishment (Figure 7) and weakened plants that are vulnerable to attack by other diseases and insects.

Management

Seed-transmitted and soilborne fungal diseases of wheat are effectively controlled by planting certified, fungicide-treated seed. Because some of these diseases are internally seedborne, systemic fungicides are recommended. Avoid planting farm-saved seed from previous years.

Treating Seed

It is best to buy certified treated seed or use a commercial seed conditioner to clean and treat seed. Seed treated on-farm should be cleaned before treatment. Thorough coverage maximizes effectiveness of the seed treatment. For a list of seed treatment fungicides for control of seed transmitted and soilborne diseases of wheat, see Table 1 (updated 7/30).

Figure 5. Ergot. Individual seeds on the wheat head are replaced by black sclerotia or ergots (compact masses of mycelium of the causal fungus).

Figure 6. Scabby wheat with kernels infected by the scab (Fusarium head blight) fungus. Severe seedling blight can result if this grain is used as seed.

WINTER WHEAT VARIETY SELECTION

Yielding ability of different varieties cannot be measured with absolute accuracy because of variations in local disease incidence, soil fertility, seasonal rainfall or moisture, and other factors. For this reason, small differences in yield have no significance. Unless the difference in yield of two varieties is greater than the difference required for significance shown in the tables, little confidence can be placed in the superiority of one variety over the other for measured traits in that particular test. These differences are shown at the 5% level, meaning that differences as large or larger could be expected through chance alone in 1 of 20 trials (5%). Even though two varieties are not statistically different, there may be other factors which influence the choice of one over the other. Factors such as disease resistance, grain quality, agronomic desirability or availability of seed may influence that decision.

Complementary varieties are important when selecting additional varieties to grow. One definition of complementary varieties is that they come from diverse parentages. A more in depth discussion of variety complementation is found in the Crop Improvement section. In order to help select varieties with diverse parentages, the related families of many varieties are included in the characteristics chart.

RESULTS AT INDIVIDUAL LOCATIONS

Southeast:

There were four rainfed trials conducted in the Southeast District at Saunders, Lancaster, Clay, and Saline counties. Cool and very wet weather in the spring and early summer contributed to high rates of diseases and adverse growing conditions. These factors contributed to yields that are lower than seen in previous years in all the Southeast locations.

- The Saline County Rainfed trial was planted on October 16th into soybean stubble. 200 lb P_2O_5 was put on ahead of beans pre-drill in spring 2014 and 125 lb actual N was applied in late March 2015. Plots were harvested on July 20th with a top yield of 60 bu/ac and an average yield of 35 bu/ac.
- The Saunders County Rainfed trial was planted on September 26th, the previous crop was oats. A total of 80 lb N was applied. Plots were harvested on July 17th with a top yield of 54 bu/ac and an average yield of 32 bu/ac.
- The Lancaster County Rainfed trial had to be re-planted on October 17th due to excessive rains after initial planting. It was sown into no-till soybean ground. Plots were harvested on July 14th with a top yield of 36 bu/ac and an average yield of 27 bu/ac.
- The Clay County Rainfed trial was planted on September 18th. A total of 75 lb N was applied. Plots were harvested on July 16th with a top yield of 42 bu/ac and an average yield of 27 bu/ac.

West Central:

Six locations were planted in the West Central District. One irrigated trial was planted in Chase County. Rainfed trials were planted in Hitchcock, Furnas, Keith, Lincoln, and Perkins counties. All rainfed sites were left fallow during the previous growing season with corn as the crop before. There was a significant amount of winterkill at most the West Central sites this year.

- The Chase County Irrigated trial was planted on September 26th. Unfortunately this site had to be abandoned due to high rates of disease and excessive winterkill.
- The Keith County Rainfed trial was planted on September 23rd into no-till fallow ground and seed was sown at a depth of 1.25”. 60lb/ac of 11-52-0 was applied as starter with a total of 76.6 lb/ac of N and 31 lb/ac P2O5 was applied. Plots were harvested on July 20th with a top yield of 76 bu/ac and an average yield of 64 bu/ac.
- The Furnas County Rainfed trial was planted on September 18th into no-till fallow ground with seed sown at a depth of 1.25”. 20 lb/ac of 11-52-0 was applied as starter. A total of 2 lb/ac N and 10 lb/ac P2O5 was applied. Plots were harvested on July 10th with a top yield of 57 bu/ac and an average yield of 38 bu/ac.

- The Hitchcock County Rainfed trial had to be replanted on October 6th due to heavy rains after the initial planting. 40 lb/ac of 11-52-0 was applied as starter with seeds sown at a depth of 1.25". A total of 44 lb/ac of N and 20 lb/ac P2O5 was applied. Plots were harvested on July 8th with a top yield of 75 bu/ac and an average yield of 51 bu/ac.

- The Lincoln County Rainfed trial was planted on September 24th into no-till fallow ground with seed sown to a depth of 1.25". Prior to planting 32-0-0 was applied at 60 lb/ac along with 20 lb/ac 11-52-0 as starter. A total of 62 lb/ac of N and 10 lb/ac P2O5 was applied. Plots were harvested on July 17th with a top yield of 78 bu/ac and an average yield of 58 bu/ac.

- The Perkins County Rainfed trial was planted on September 16th into no-till fallow ground with seed sown to a depth of 1.25". 20 lb/ac of 11-52-0 was applied as starter. A total of 62 lb/ac on N and 10 lb/ac P2O5 was applied. Plots were harvested July 14th with a top yield of 63 bu/ac and an average yield of 49 bu/ac.

Panhandle:

Six locations were planted in the Panhandle District. One irrigated trial was planted in Box Butte County. Rainfed trials were planted in Box Butte, Cheyenne, Kimball, Sheridan counties and on the NE-WY Stateline. All rainfed sites were left fallow the previous year with corn or wheat being the previous crop. Convention tillage practices were used at all locations.

- The Box Butte County Irrigated trial was planted on September 26th. Seed sown at a depth of 2.5" with the previous crop here being dry beans. A total of 120 lb/ac N, 45lb/ac P_2O_5, and 25 lb/ac S were applied. Plot data was not reported due to extreme variability due to winterkill, disease, weeds and hail damage.

- The Cheyenne County Rainfed trial was planted on September 10th. Seed was sown at a depth of 2.5" into conventionally tilled soil. A total of 30 lb/ac N was applied. Plots were harvested on July 17th with a top yield of 33 bu/ac and an average yield of 26 bu/ac.

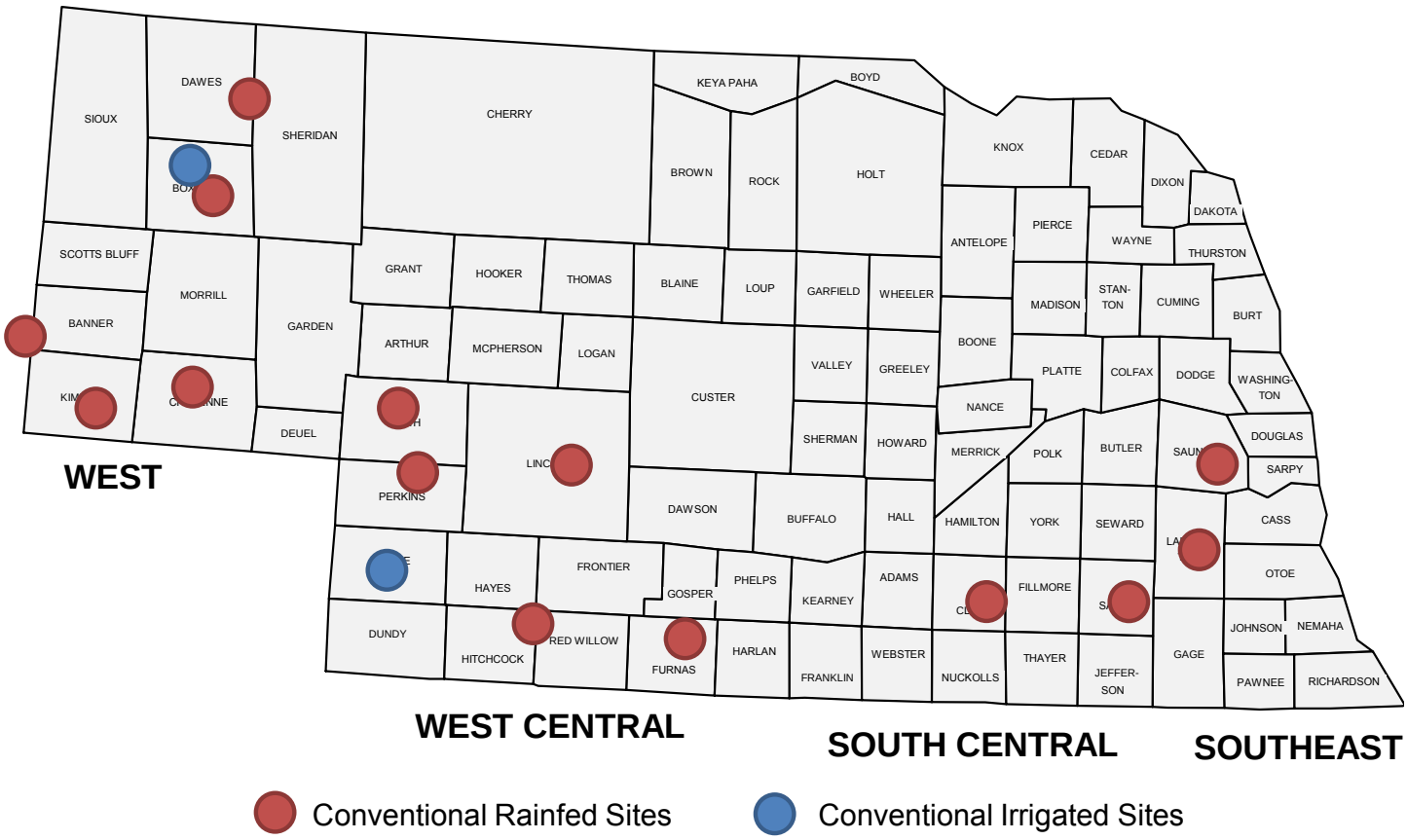
- The Kimball County Rainfed trial was planted on September 10th. Seed was sown at a depth of 2.5" into conventionally tilled soil. A total of 30 lb/ac N and 15 lb/ac P_2O_5 was applied. Plots were harvested on July 20th with a top yield of 50 bu/ac and average yield of 41 bu/ac.

- The NE-WY Stateline Rainfed trial was planted on September 13th. Seed was sown at a depth of 2.5" into conventionally tilled soil. No fertilizer was applied at this location. Plots were harvested on July 18th with a top yield of 58 bu/ac and an average yield of 30 bu/ac.

- The Dawes County Rainfed test was planted on September 17th. Plots here were abandoned due to weather related yield loss.

- The Box Butte County Rainfed trial was planted on September 9h. Plots were harvested on July 25th with a top yield of 48 bu/ac and an average yield of 28 bu/ac.

2015 WINTER WHEAT TRIAL LOCATIONS MAP



2015 WINTER WHEAT TRIAL SITE PRECIPITATION

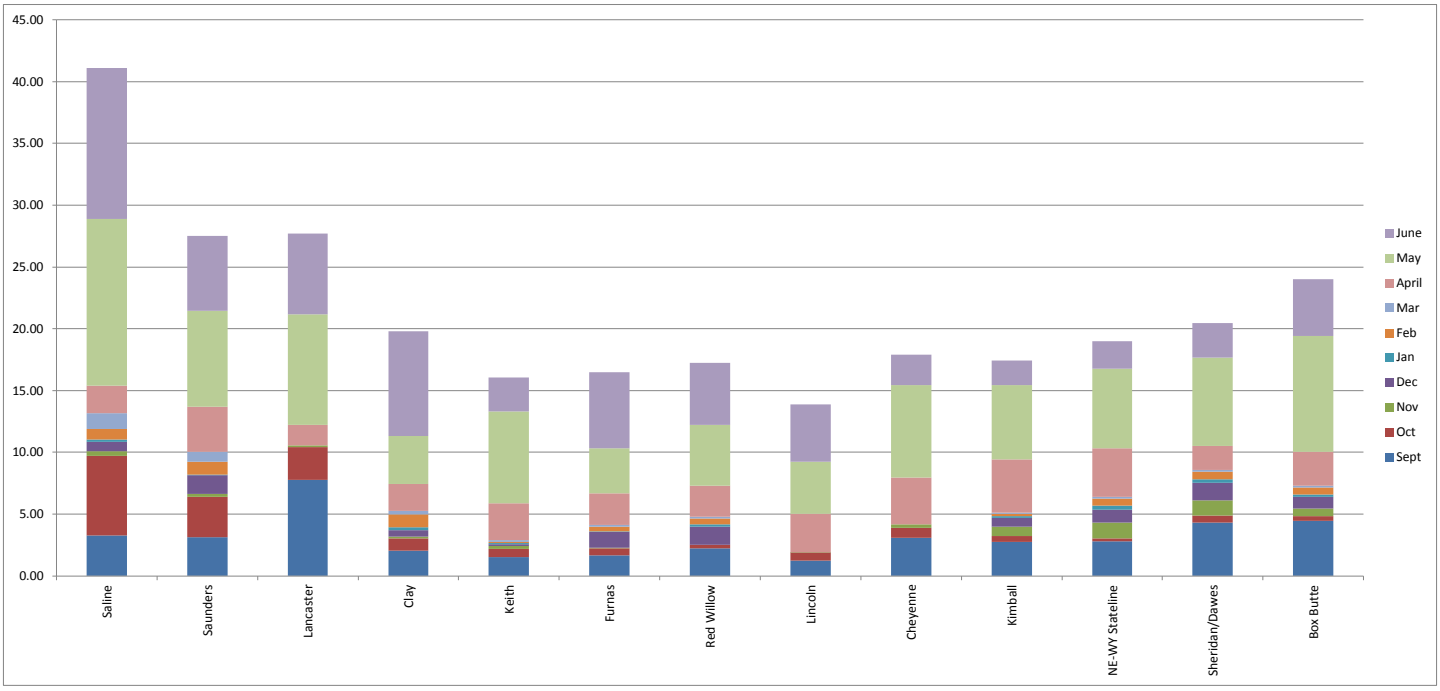


TABLE A - LOCATION SUMMARY FOR NEBRASKA WINTER WHEAT VARIETY TESTS - 2015

Location	Cooperator	Latitude	Longitude	Dates		Location Yields (bu/a)	
				Plant	Harvest	Top Yield	Plot Avg
Southeast							
Saline Rainfed	Steve Wiese; Wilber, NE	40.567326	-96.978480	10/16/14	7/20/15	60	35
Saunders Rainfed	UNL ARDC; Ithaca, NE	41.161033	-96.409526	9/26/14	7/17/15	54	32
Lancaster Rainfed	UNL Havelock Farm; Lincoln, NE	40.856386	-96.609952	10/17/14	7/14/15	36	27
South Central							
Clay Rainfed	South Central Res & Ext Center; Harvard, NE	40.576930	-98.134000	9/18/14	7/20/15	42	27
West Central							
Keith Rainfed	UNL Water Resources Field Lab; Brule, NE	41.163207	-101.979973	9/23/14	7/20/15	*76*	*64*
Furnas Rainfed	Rex McClain; Arapahoe, NE	40.137574	-99.894844	9/18/14	7/10/15	57	38
Hitchcock Rainfed	Cappel Farms; McCook, NE	40.204629	-100.951631	10/6/14	7/8/15	75	51
Lincoln Rainfed	UNL WCREC; North Platte, NE	41.057712	-100.750261	9/24/14	7/17/15	78	58
Perkins Rainfed	UNL Stumpf Wheat Center; Grant, NE	40.844986	-101.687411	9/16/14	7/14/15	63	49
Panhandle (West)							
Cheyenne Rainfed	High Plains Ag Lab; Sidney, NE	41.231710	-103.014959	9/10/14	7/17/15	33	26
Kimball Rainfed	Dix, NE	41.076770	-103.294340	9/10/14	7/20/15	50	41
NE-WY Stateline Rainfed	Lou Hubbs; Hawk Springs, WY	41.469360	-104.039340	9/13/14	7/18/15	58	30
Sheridan/Dawes Rainfed	Gil Nitsch; Chadron, NE	42.492030	-102.559680	9/17/14	LOST TO HAIL		
Box Butte Rainfed	Cullan Farms; Hemingford, NE	42.249110	-103.014680	9/9/14	7/25/15	48	28
Irrigated							
Box Butte Irrigated	Darby Jesperon; Hemingford, NE	42.199190	-103.043520	9/26/14	ABANDONED		
Chase Irrigated	Tom Luhrs; Enders, NE	40.483930	-101.497320	9/26/14	LOST TO HAIL		

TABLE B - ENTRIES AND CONTACT INFORMATION

The entrant should be contacted for information on seed availability, adaptation and agronomic characteristics.

Crop Rsch Foundation of WY

P.O. Box 1778
Laramie, WY 82073-1778
wyomingwheat.com

Entries:

Cowboy

Husker Genetics

1071 County Rd G
Ithaca, NE 68033
huskergenetics.unl.edu

Entries:

Overland, Wesley, McGill, Freeman, Mattern, Robidoux, Settler CL, Mattern, Alliance, Goodstreak, Camelot

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Limagrain Cereal Seeds

6414 N. Sheridan
Wichita, KS 67204
limagraincerealseeds.com

Entries:

LCH10-13, LCH11-1117, LCH13NEDH-3-31, LCH13NEDH-5-59, LCI13NEDH-14-53W, LCS Mint, LCS Wizard, N11MD2130W, T158

Montana Foundation Seed

Dept Plant Sci Montana St University
Bozeman, MT 59717-3150
plantsciences.montana.edu/FoundationSeed

Entries:

Bearpaw, Judee, Warhorse

PlainsGold

Colorado State University
Fort Collins, CO 80523
plainsgold.com

Entries:

Hatcher, Byrd, Brawl CL Plus, Antero, Denali

South Dakota AES

Entries:

Ideal, Redfield

Syngenta - AgriPro

#29 Rolling Hills Road
Kearney, NE 68845
agripro.com

Entries:

SY Flint, SY Monument, SY Southwind, SY Sunrise, SY Wolf

WestBred

800 N. Lindbergh Ave.
St. Louis, MO 63167
WestBred.com

Entries:

WB4059CLP, WB4458, WB-Cedar, WB-Grainfield, WB-Redhawk, Web-Quake, Winterhawk

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Wildcat Genetics

Kansas State University
2004 Throckmorton Plant Sciences Center
1712 Claflin Rd.
Manhattan, KS 66506-0110
785-532-6101

Entries:

“1863”, Everest, KanMark, Oakley CL

TABLE C - SOIL TYPE, PREVIOUS CROP, FERTILIZERS AND HERBICIDES/FUNGICIDES APPLIED

Location	Soil Type	Tillage System	Previous Crop(s)	Fertilizer	Herbicide/Fungicide
Southeast					
Saline Rainfed	Crete silt loam	No-till	Soybean	125 lb actual N; Pre-drill 200 lb P_2O_5 ahead of beans (spring '14)	Aerial spray Orius for stripe rust
Saunders Rainfed	Tomek and Filbert silt loam	Conventional	Oats	80 lb N	-
Lancaster Rainfed	Crete and Butler silt loam	No-till	Soybean	NA	NA
South Central					
Clay Rainfed	Crete silt loam	Conventional	Fallow (Corn)	75 lb N	NA
West Central					
Furnas Rainfed	Holdrege and Holdredge-Coly silt loam	No-till	Fallow (Corn)	20 lbs/ac 11-52-0 as starter. Total 2lbs/ac N and 10 lbs/ac of P_2O_5	NA
Red Willow Rainfed	Holdrege and Keith silt loam	No-till	Fallow (Corn)	40 lbs/ac 11-52-0 as starter. Total 44 lbs/ac N and 21 lbs/ac of P_2O_5	.35 oz/a Amber+Banvil Twinline (Stripe Rust)
Keith Rainfed	Kuma silt loam	No-till	Fallow (Corn)	60 lbs/ac 11-52-0 as starter. Total 76.6 lbs/ac N and 31 lbs/ac of P_2O_5	18oz/a Starane NXT 6.2 oz Prosaro (Stripe Rust)
Perkins	Alliance silt loam	No-till	Fallow (Corn)	20 lbs/ac 11-52-0 as starter. Total 62 lbs/ac N and 10 lbs/ac of P_2O_5	18 oz/a Starane NXT + 8oz/a 2,4D 6.2 oz Prosaro (Stripe Rust)
Lincoln Rainfed	Hall silt loam	No-till	Fallow (Corn)	20 lbs/ac 11-52-0 as starter. Total 62lbs/ac N and 10 lbs/ac of P_2O_5	.35 oz/a Amber, 18oz/a Starane NXT 6.2 oz Prosaro (Stripe Rust)
Panhandle (West)					
Cheyenne Rainfed	Rosebud and Keith loam	Conventional	Fallow (Corn)	Total 30 lbs/ac N	-
Kimball Rainfed	Rosebud and Alliance loam	Conventional	Fallow (Corn)	Total 30 lbs/ac N and 15 lbs/ac P_2O_5	-
NE-WY Stateline Rainfed	Vetal fine sandy loan	Conventional	Fallow (Wheat)	NA	-
Box Butte Rainfed	Rosebud and Alliance loam	Conventional	Fallow (Wheat)	50-30-0, 5lb S, 2lb Zn	Ally Iv6, Twinline (flagleaf)

Variety	Origin	Family	Maturity	Winter Hardiness	Straw Stength	Plant Height	Coleoptile length	
1863	KSU	-	3	4	2	7	5	
Alliance	NE	Chisholm	3	2	5	6	2	
Antelope (W)	ARS-NE	Arlin, Pronghorn	4	4	4	4	5	
Anton (W)	ARS-NE	Platte	4	3	6	3	-	
Armour	B1551W/	PL2181	1	4	5	2	5	
Arrowsmith (W)	ARS-NE	Arapahoe	4	4	6	7	7	
Art	ASI	Jagger,TAM200, Archer	2	4	4	2	-	
Aspen	WB	Pioneer	1	4	6	4	5	
Bill Brown	CO	Yumar	3	3	4	3	3	
Bond CL	CO	Yumar	2	3	4	5	6	
Brawl CL Plus	CO	Above, Halt	2	-	6	5	9	
Buckskin	NE	Scout	3	2	3	9	9	
Byrd	CO	TAM 112, Ike, Halt	3	-	4	5	7	
Camelot	NE	-	3	5	5	3	5	
Cowboy	CO/WY	TAM 111/CO980829	4	4	2	4	6	
Denali	CO	Hatcher sib, TAM 111	4	-	4	7	8	
Everest	KSU	Pioneer	1	4	5	6	5	
Expedition	SD	Tomahawk/Bennett	1	4	4	6	5	
Freeman	NE	(ABI86*3414/JAG//K92)/	3	4	3	2	2	
Goodstreak	NE	Colt	3	3	4	8	8	
Greer	AP	-	3	3	5	2	5	
Hallam	NE	Brule, Niobrara	1	4	5	7	4	
Hatcher	CO	Yumar	3	3	3	2	6	
Hitch	G53/3/	Jagger	4	4	6	3	5	
Infinity CL	NE	Windstar, Above, Millen-	4	4	5	7	4	
KanMark	KSU	-	3	4	5	3	5	
Karl 92	KSU	Karl Selection	1	5	4	3	3	
LCS-Mint	CSU	Overley, Yumar, Exp	3	3	3	7	5	
Lyman	SD	-	-	-	-	-	-	
Mace	ARS-NE	Yuma, Arlin	3	3	4	2	-	
Mattern	USDA	-	3	5	4	5	4	
McGill	NE	Ike	2	4	3	4	5	
Millennium	NE	Abilene, Arapahoe	4	3	5	7	3	
			1 = Early 5 = Late	1 = Tender 5 = Hardy	1=Weak 6=Strong	1 = Short 9 = Tall	1 = Short 9 = Long	

Hessian Fly	Leaf Rust	Stem Rust	Stripe Rust	Tan Spot	Soil Borne	Wheat Streak Mosaic	Bushel Weight	Grain Protein	Target Environment
7	7	1	3	5	2	5	2	6	SC and SE
6	9	3	3	7	9	7	6	9	-
9	3	1	1	-	9	9	5	4	-
9	3	3	6	-	1	9	4	2	-
9	3	2	1	5	2	4	4	4	All
9	3	3	1	-	9	9	5	1	-
4	1	1	3	3	3	-	3	3	-
9	4	2	1	5	2	4	4	4	All
-	2	8	5	-	-	6	2	6	-
-	7	8	2	-	-	4	7	7	-
9	6	3	4	-	3	6	2	5	
6	9	9	-	-	3	7	4	3	-
9	6	9	4	-	6	6	5	5	
5	1	3	4	3	1	6	6	7	-
1	9	seg	9	9	1	-	5	4	West, rainfed and irrigated
1	9	3	4	-	9	9	2	5	
3	3	3	8	7	1	7	2	5	South
9	-	3	-	9	5	-	-	-	-
seg	6	2	4	-	1	9	6	5	All NE
6	8	3	-	-	9	9	2	4	-
9	4	1	3	5	1	-	6	5	-
9	5	3	-	-	3	5	4	5	-
-	7	7	4	-	-	7	5	6	-
9	2	2	1	5	6	2	4	4	All
9	3	3	-	-	3	3			-
7	2	3	2	5	1	7	2	6	SC,WC and W
9	9	7	5	3	1	9	3	3	-
9	9	9	1	-	7	-	2	2	--
-	-	-	-	-	-	-	-	-	-
9	7	1	4	-	9	1	7	3	-
10	8	1	1	10	7	8	3	2	SE/SC
9	7	3	9	-	3	9	7		-
5	7	3	3	7	9	9	3	5	-
1 = Resistant 9 = Susceptible Seg = Segregating							1 = High	9 = Low	

Variety	Origin	Family	Maturity	Winter Hardiness	Straw Stength	Plant Height	Coleoptile length	
NE06430	NE	Wesley, Tam107	2	7	2	6	5	
NE07531	NE	Halam	3	4	5	5	4	
NE09517	NE	Jagger/Thunderbolt//Ja-	3	4		4	5	
NE09521	NE	Redland	3	4		5	2	
NIO6736	NE	Arlin	2	4	-	3	3	
NIO7703	NE	Karl	2	4	-	5	5	
NW03666 (W)	NE	Semidwarf	2	4	-	4		
NW03681 (W)	NE	Wesley	4	4	-	5	4	
NW09627	NE	RioBlanco, Halt	5	4		2	5	
NWO7505 (W)	NE	Trego	2	4	-	6	4	
Oakley CL	KSU	-	3	4	3	7	7	
Overland	NE	Millennium, Wahoo	4	5	5	5	-	
Panhandle	NE	NE97426 /NE98574	4	4	4	7	7	
PostRock	ASI	Jagger, Ogallala	2	4	5	2	3	
Pronghorn	NE	Colt	3	4	3	8	8	
Robidoux	NE	Wahoo, Millennium	3	4		5	6	
Santa Fe	WB	Jagger	1	4	4	3	5	
Scout 66	NE	Ponca	3	2	1	9	8	
Settler CL	NE	Infinity, Millennium,	3	4	-	1	-	
Snowmass	CO	KS96HW94//Trego/	5	-	2	6	5	
SY Gold	-	Jagger	3	2	5	4	5	
SY Monument	SY	-	4	4	5	6	5	
SY Southwind	AgPr	-	2	4	4	2	-	
SY Wolf	AP	-	3	4	5	2	5	
T158	LIMA	TAM 107	3	-	5	3	-	
T163	LIMA	TAM 107	2	-	4	4	-	
Thunder CL	CO	KS01-5539/CO99W165	2	-	5	2	5	
Turkey	Ukraine	-	5	4	2	1	1	
Wahoo	NE	Arapahoe	4	4	5	6	4	
WB4458	WB	Overley, Goertzen	3	5	6	5	5	
WB-Cedar	WB	Pioneer	1	4	5	3	5	
WB-Grainfield	WB	KSU	4	4	4	5	5	
WB-Redhawk	WB	KSU	3	4	4	5	5	
WB-Stout	WB	Jagger	2	4	3	5	5	
Wesley	ARS-NE	Sumner	3	4	5	2	1	
Winterhawk	WB	Pioneer	3	4	4	6	5	
			1 = Early 5 = Late	1 = Tender 5 = Hardy	1 = Weak 6 = Strong	1 = Short 9 = Tall	1 = Short 9 = Long	

	Hessian Fly	Leaf Rust	Stem Rust	Stripe Rust	Tan Spot	Soil Borne	Wheat Streak Mosaic	Bushel Weight	Grain Protein	Target Environment
	6	7	3	1	-	7	-	4	7	Eastern NE
	3	9	3	5	10	9	9	4	6	
	9	7	3	2	10	2	9	2	5	Broadly adapted
	9	7	3	7	10	2	9	6	4	Broadly adapted
	3	8	3	3	-	5	-	7	-	
	7	8	6	8	-	5	-	7	5	
	9	6	4	-	-	3	9	9	-	West NE
	9	6	6	3	-	6	9	1	-	-
	9	8	3	2	10	6	9	3	5	NW Nebraska
	8	5	4	6	-	2	-	8	3	
	7	5	1	2	5	8	1	4	5	WC and W, 1 gene clearfield
	9	3	5	7	6	9	5	2		-
	9	6	4	5	-	4	9	6	8	Western NE
	9	3	3	3	3	2	6	2	3	-
	9	7	3	-	-	9	9	5	5	-
	9	7	10	4	-	3	9	5		-
	9	2	2	1	5	6	4	4	4	All
	9	7	5	1	9	9	7	4	5	-
	9	5	4	-	-	1	5	-	-	-
	-	5	-	6	-	-	2	4	-	West NE
	9	1	1	9	5	1	-	2	3	Irrigated and dryland
	2	3	3	1	-	3	5	3	3	All
	4	1	1	4	-	2	4	3	5	-
	9	2	1	5	2	1	-	3	4	-
	9	6	-	1	6	-	3	2	-	-
	9	6	-	1	1	-	-	3	-	-
	-	5	-	3	-	-	3	4	-	West NE
	9	7	7	-	-	9	5	3	1	-
	6	7	3	-	-	9	9	6	5	-
	9	5	4	1	7	5	5	3	3	All
	9	4	2	1	5	2	5	4	4	All
	9	1	1	9	4	1	6	3	5	Central and west
	9	1	1	9	-	1	6	3	5	East and SC
	9	1	2	1	5	7	5	6	2	All
	9	8	1	1	5	1	9	7	4	-
	9	9	9	1	5	2	6	2	4	All
	1 = Resistant 9 = Susceptible Seg = Segregating							1 = High	9 = Low	

SOUTHEAST DRYLAND WHEAT VARIETY TESTS - 2015

SALINE, SAUNDERS, AND LANCASTER COUNTIES

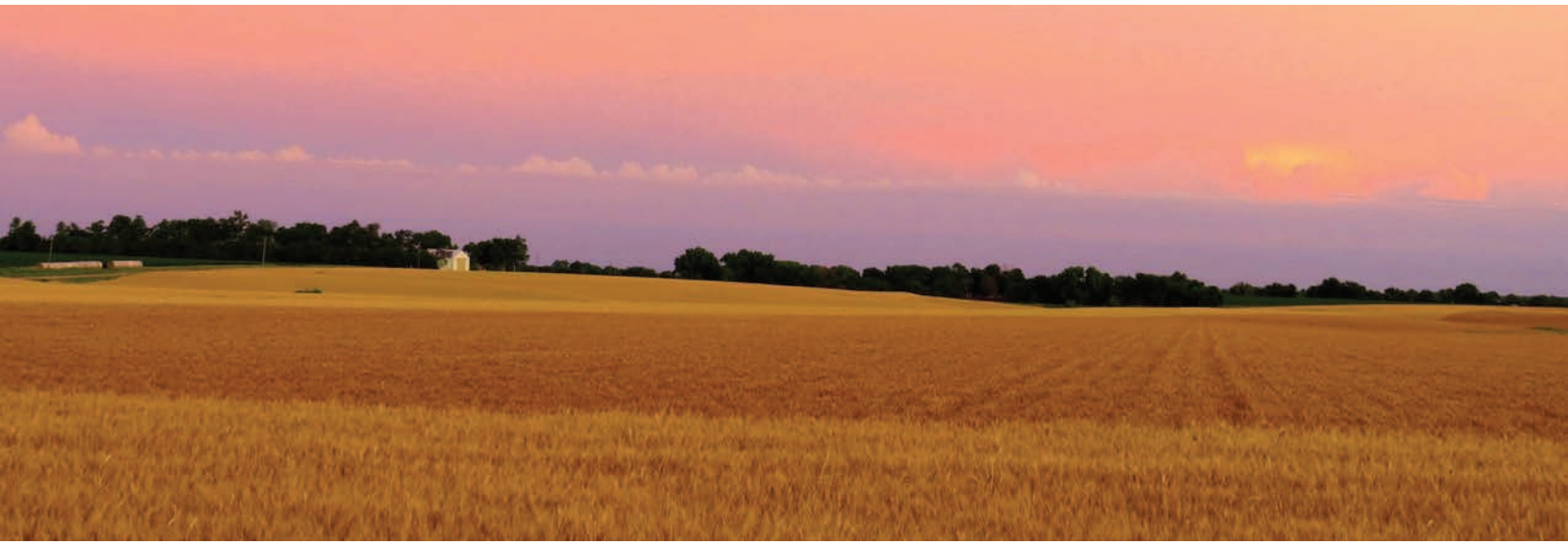
Brand	Variety	Avg Yield (bu/a)	Saline Yield (bu/a)	Saunders Yield (bu/a)	Lancaster Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (in)	Kernel Weight (000/lb)	Grain Protein (%)
Syngenta AgriPro	SY Wolf	52	60	54	41	54	36	16	15
Wildcat Genetics	“1863”	45	46	47	42	53	37	18	13
-----	NE10478	45	44	49	41	52	34	18	15
Limagrain	LCH11-1117	44	50	44	38	53	33	18	14
WestBred	WB-Cedar	42	48	43	36	50	31	16	15
Husker Genetics	Freeman	41	41	36	45	50	38	18	14
Syngenta AgriPro	SY Southwind	41	48	43	31	52	34	19	14
Husker Genetics	Overland	38	42	33	38	53	40	19	14
Wildcat Genetics	KanMark	37	38	37	36	51	31	20	15
-----	NE10589	36	36	35	37	50	39	20	13
Limagrain	LCH13NEDH-3-31	36	36	35	38	51	34	16	15
-----	NE09521	34	38	32	33	49	40	19	15
	NI10718W	34	33	30	40	50	36	18	14
Wildcat Genetics	Everest	33	32	39	29	52	35	18	15
Limagrain	LCH10-13	33	37	35	28	53	38	20	14
	NE10507	33	31	31	36	47	38	20	14
Limagrain	T158	31	34	23	35	45	35	19	14
	NX11MD2337	31	36	27	31	47	40	18	15
Limagrain	LCH13NEDH-5-59	30	36	23	30	46	39	21	14
-----	Mattern	29	28	27	31	45	40	19	15
-----	NX04Y2107W	29	31	26	30	45	40	19	15
----	Wesley	28	26	24	35	46	35	18	15
----	Scout 66	27	20	23	38	45	49	15	16
NuPride	Camelot	27	31	24	25	45	39	18	14
----	Turkey	25	20	26	30	43	46	18	16
-----	NE09517	25	26	21	28	43	40	18	15
Husker Genetics	McGill	24	23	20	30	41	39	23	14
Limagrain	LCS Mint	23	26	20	22	39	38	21	13
	NE10683	23	21	19	28	39	39	20	14
WestBred	WB-Redhawk	22	28	21	17	37	36	21	15
-----	NW07505 (W)	21	15	23	24	32	38	24	14
Average all entries		**33**	**35**	**31**	**33**	**48**	**38**	**19**	**14**
Diff. req. for significance at 5%		**8**	**-**	**13**	**3**	**6**	**2**	**2**	**1**

SOUTHEAST DRYLAND WHEAT VARIETY TESTS 2011- 2015

Brand	Variety	Yield (bu/a)	Bu WT (lb/bu)	Kernel WT (000/lb)	Protein (%)	Height (inches)
Two year averages						
Syngenta AgriPro	SY Wolf	63	56	14	15	32
-----	NE10478	57	55	15	15	31
-----	NE10589	57	54	17	14	34
Husker Genetics	Freeman	55	53	16	14	33
WestBred	WB-Cedar	55	54	14	15	28
-----	NE09521	55	53	16	15	35
Syngenta AgriPro	SY Southwind	55	55	17	14	31
Husker Genetics	Overland	54	56	16	14	35
Limagrain Cereal Seeds	T158	52	52	16	14	31
NuPride	Camelot	50	51	15	14	36
-----	NX04Y2107W	49	51	16	15	35
Limagrain Cereal Seeds	LCS Mint	48	49	17	14	33
----	Wesley	48	52	15	15	31
-----	NE09517	47	51	15	15	35
Husker Genetics	McGill	46	50	18	14	36
----	Scout 66	46	52	14	15	44
-----	Mattern	46	51	16	15	37
----	Turkey	46	51	15	16	43
WestBred	WB-Redhawk	44	48	17	15	33
-----	NW07505 (W)	43	44	19	14	35
Average of all entries		**51**	**52**	**16**	**15**	**34**
Difference required for significance at 5%		**11**	**NS**	**NS**	**0.8**	**2**
Three year averages						
Syngenta AgriPro	SY Wolf	67	58	15	15	32
WestBred	WB-Cedar	65	56	14	15	28
Husker Genetics	Freeman	64	55	16	14	33
-----	NE09521	63	55	16	14	35
Limagrain Cereal Seeds	T158	62	55	15	14	31
Husker Genetics	Overland	62	57	16	14	35
Syngenta AgriPro	SY Southwind	62	56	17	14	31
Limagrain Cereal Seeds	LCS Mint	59	52	17	14	33
NuPride	Camelot	59	54	15	14	36
-----	NE09517	57	54	15	14	35
Husker Genetics	McGill	57	53	17	14	36
WestBred	WB-Redhawk	57	51	16	15	33
----	Wesley	57	54	15	14	31
-----	Mattern	55	53	16	15	37
-----	NW07505 (W)	52	49	17	14	35
----	Scout 66	49	55	14	15	44
----	Turkey	49	53	15	15	43
Average of all entries		**59**	**54**	**16**	**14**	**34**
Difference required for significance at 5%		**10**	**NS**	**2.0**	**0.6**	**1**

SOUTHEAST DRYLAND WHEAT VARIETY TESTS (continued)

Brand	Variety	Yield (bu/a)	Bu WT (lb/bu)	Kernel WT (000/lb)	Protein (%)	Height (inches)
Four year averages						
Syngenta AgriPro	SY Wolf	67	58	15	14	33
Husker Genetics	Freeman	65	55	16	14	34
Husker Genetics	Overland	63	57	16	14	36
Syngenta AgriPro	SY Southwind	63	57	17	14	32
Husker Genetics	McGill	59	54	17	14	37
NuPride	Camelot	58	55	15	14	37
-----	Mattern	58	54	16	14	37
----	Wesley	57	55	15	14	33
-----	NW07505 (W)	55	51	17	14	36
----	Scout 66	47	56	14	15	44
----	Turkey	46	54	16	15	42
Average of all entries		**58**	**55**	**16**	**14**	**36**
Difference required for significance at 5%		**9**	**NS**	**1.9**	**0.5**	**2**
Five year averages						
Syngenta AgriPro	SY Wolf	69	58	15	14	34
Husker Genetics	Freeman	68	55	15	14	35
Husker Genetics	Overland	66	57	15	14	37
Husker Genetics	McGill	63	54	17	14	37
-----	Mattern	60	54	15	14	37
NuPride	Camelot	60	55	14	14	37
----	Wesley	59	55	14	14	33
----	Scout 66	46	56	14	14	44
----	Turkey	45	55	15	15	42
Average of all entries		**59**	**55**	**15**	**14**	**37**
Difference required for significance at 5%		**8**		**1.3**	**0.5**	**1**



SOUTH CENTRAL DRYLAND WHEAT VARIETY TEST - 2015

CLAY COUNTY

Brand	Variety	Average Yield (bu/a)	Plant Height (inches)	Winter Survival	Rust 1=resistant 9=susceptible
Limagrain	T158	42	10	10	1
WestBred	WB-Grainfield	40	8	8	1
Wildcat Genetics	“1863”	37	10	10	1
-----	NE10589	36	9	9	1
-----	NE10478	35	10	10	7
Husker Genetics	Overland	35	10	10	7
-----	Mattern	34	9	9	1
-----	NE09517	32	9	9	1
-----	NX04Y2107W	32	9	9	1
WestBred	WB-Cedar	31	8	8	1
Wildcat Genetics	Everest	30	9	9	8
Limagrain	LCH13NEDH-3-31	30	10	10	6
WestBred	WB4458	29	6	6	1
Wildcat Genetics	KanMark	28	7	7	5
-----	NE09521	28	7	7	8
Limagrain	LCH13NEDH-5-59	28	10	10	-
	NI10718W	25	9	9	6
Husker Genetics	Freeman	24	6	6	2
Limagrain	LCH10-13	23	7	7	9
----	Scout 66	21	10	10	5
----	Wesley	21	10	10	7
	NE10507	21	6	6	7
	NX11MD2337	18	7	7	9
----	Turkey	16	10	10	9
	NE10683	16	6	6	9
Limagrain	LCS Mint	15	3	3	1
-----	NW07505 (W)	15	9	9	9
WestBred	WB-Redhawk	15	7	7	9
Limagrain	LCS Wizard	14	4	4	8
-----	NE07531	10	7	7	9
Average of all entries		27	8	8	5
Diff. required for significance at 5%		7	-	-	-

SOUTH CENTRAL DRYLAND WHEAT VARIETY TESTS 2011- 2015

Brand	Variety	Grain Yield (bu/a)	Bushel Weight (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
-----	NE10589	52	56	14	14	33
Husker Genetics	Overland	49	57	14	15	35
Limagrain Cereal Seeds	T158	49	58	13	14	30
-----	NE09517	46	58	13	15	34
-----	NE10478	46	57	13	15	30
-----	Mattern	45	53	15	16	36
-----	NX04Y2107W	44	55	13	16	32
-----	NE09521	43	57	15	14	35
WestBred	WB-Cedar	42	56	12	15	28
Husker Genetics	Freeman	41	55	15	15	33
WestBred	WB4458	39	57	13	16	30
----	Wesley	38	55	14	15	31
-----	NW07505 (W)	38	57	14	14	34
WestBred	WB-Redhawk	34	57	14	16	32
Limagrain Cereal Seeds	LCS Mint	33	57	14	14	33
-----	NE07531	32	56	15	15	32
----	Scout 66	30	58	13	16	40
----	Turkey	30	55	14	16	42
Limagrain Cereal Seeds	LCS Wizard	30	57	15	15	30
Average of all entries		**40**	**56**	**14**	**15**	**33**
Difference required for significance at 5%		**11**	**NS**	**NS**	**NS**	**NS**
Three year averages						
Husker Genetics	Overland	63	59	15	15	37
Limagrain Cereal Seeds	T158	61	60	13	14	31
-----	NE09517	60	60	14	14	38
-----	NE09521	60	59	15	14	36
-----	Mattern	57	55	16	16	38
Husker Genetics	Freeman	56	57	15	14	35
-----	NW07505 (W)	55	59	15	14	37
WestBred	WB-Cedar	55	59	12	15	30
----	Wesley	54	58	14	15	33
-----	NE07531	54	59	14	15	36
WestBred	WB-Redhawk	54	60	14	15	33
Limagrain Cereal Seeds	LCS Mint	53	59	15	14	36
WestBred	WB4458	53	60	13	15	33
----	Scout 66	44	59	14	15	40
----	Turkey	42	58	15	16	42
Average of all entries		**55**	**59**	**14**	**15**	**35**
Difference required for significance at 5%		**12**	**1**	**1**	**0.4**	**3**

SOUTH CENTRAL DRYLAND WHEAT VARIETY TESTS (continued)

Four year averages

Husker Genetics	Overland	63	59	15	14	38
Limagrain Cereal Seeds	T158	60	60	13	14	32
-----	Mattern	59	56	16	15	37
WestBred	WB-Cedar	58	58	13	15	31
Husker Genetics	Freeman	57	57	16	14	35
-----	NE07531	57	60	15	14	36
-----	NW07505 (W)	56	59	15	14	37
----	Wesley	53	58	15	15	33
----	Scout 66	42	59	14	15	40
----	Turkey	38	59	16	15	40
Average of all entries		**54**	**58**	**15**	**14**	**36**
Difference required for significance at 5%		**10**	**1**	**1**	**0.7**	**3**

Five year averages

Husker Genetics	Overland	62	58	15	14	37
Husker Genetics	Freeman	57	57	15	14	35
-----	Mattern	57	56	15	14	37
WestBred	WB-Cedar	54	58	12	15	31
----	Wesley	52	57	14	15	33
----	Scout 66	40	59	14	15	40
----	Turkey	37	58	16	15	39
Average of all entries		**51**	**57**	**14**	**14**	**36**
Difference required for significance at 5%		**7**	**1**	**2**	**0.7**	**3**

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS - 2015

KEITH, FURNAS, HITCHCOCK, LINCOLN, AND PERKINS COUNTIES

Variety	Avg Yield (bu/a)	Keith Yield (bu/a)	Furnas Yield (bu/a)	Hitchcock Yield (bu/a)	Lincoln Yield (bu/a)	Perkins Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (in.)	Kernel Weight (000/lb)	Grain Protein (%)	Lodging (%)
Monument	65	69	57	75	70	54	53	33	14	14	1
NE10589	62	74	54	67	73	44	54	35	14	14	1
N11MD2166W	61	73	49	62	67	55	54	37	15	14	4
SY Sunrise	61	69	53	61	68	53	55	30	13	14	4
N11MD2130W	61	69	45	66	74	52	53	36	15	14	1
LCH13NEDH-5-59	61	70	39	62	78	57	53	36	16	14	0
Antero	60	72	50	54	60	62	54	33	14	13	5
LCI13NEDH-14-53W	59	68	45	59	71	54	54	33	14	14	0
Infinity CL	58	66	45	62	68	47	52	35	14	14	1
NE09521	58	68	45	55	73	48	53	34	15	15	1
Overland	57	67	42	60	64	51	55	35	14	14	2
Robidoux	57	71	42	55	70	47	53	33	14	14	2
Denali	57	76	45	55	53	56	53	35	14	13	2
WB-Grainfield	57	60	50	54	64	57	53	34	14	14	13
NI10718W	57	67	40	57	66	56	53	33	13	14	1
Freeman	56	74	46	48	64	50	52	33	14	14	12
“1863”	56	66	31	58	76	48	55	33	14	14	3
NE10478	56	73	44	53	64	44	54	31	15	15	0
LCH13NEDH-3-31	56	68	47	46	64	57	55	32	13	14	2
Winterhawk	54	70	36	41	69	53	55	34	13	14	11
NX04Y2107W	54	60	38	63	69	40	51	35	13	16	2
NE09517	53	65	39	55	64	43	54	35	13	14	2
Settler CL	52	70	33	49	55	53	52	32	14	14	1
Mattern	52	61	41	63	57	39	51	35	13	15	3
Byrd	52	68	32	44	57	58	53	33	16	14	6
T158	52	59	39	60	54	46	55	31	12	14	1
Wesley	51	62	31	51	63	46	51	31	14	15	0
NE10507	51	68	46	38	50	54	51	34	15	14	12
McGill	50	66	44	47	55	39	50	35	16	14	2
NW07505 (W)	50	65	29	49	52	55	49	35	15	14	7
NW03666 (W)	49	65	27	54	50	47	51	36	16	14	14
Bearpaw	49	74	20	49	59	41	47	33	17	14	3
CO11D174	48	64	26	38	47	63	50	34	15	14	5
Scout 66	47	52	32	54	50	47	54	39	13	15	2
Warhorse	47	66	29	39	56	46	43	34	18	15	12
KanMark	47	59	34	41	51	50	55	28	15	15	8
NX11MD2337	46	62	34	37	59	38	47	36	15	15	10
NE10683	46	64	31	37	49	49	45	35	15	14	6
Brawl CI Plus	45	49	35	39	52	50	52	32	14	15	10
LCH10-13	45	61	26	45	46	46	54	35	15	14	14

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS (continued)

KEITH, FURNAS, HITCHCOCK, LINCOLN, AND PERKINS COUNTIES

Variety	Avg Yield (bu/a)	Keith Yield (bu/a)	Furnas Yield (bu/a)	Hitchcock Yield (bu/a)	Lincoln Yield (bu/a)	Perkins Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (in.)	Kernel Weight (000/lb)	Grain Protein (%)	Lodging (%)
Judee	45	60	31	38	54	40	44	33	15	15	27
SY Flint	44	60	37	45	33	43	53	32	15	15	25
Turkey	43	46	27	51	50	42	54	41	14	15	0
SY Wolf	43	62	36	35	27	55	49	30	14	15	28
LCS Mint	43	50	31	43	44	48	50	33	16	14	18
Hatcher	41	48	41	42	27	49	49	32	15	13	30
Mace	40	54	33	32	41	42	48	32	18	15	3
WB4458	39	49	32	40	34	39	48	31	15	16	20
LCS Wizard	36	56	26	29	28	42	51	29	17	15	30
Average all entries	**52**	**64**	**38**	**50**	**57**	**49**	**52**	**34**	**15**	**14**	**7**
Diff. for sig. at 5%	**9**	**6**	**7**	**11**	**11**	**10**	**5**	**1.8**	**1.6**	**0.88**	**15**

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS 2011- 2015

Brand	Variety	Yield (bu/a)	Bu WT (lb/bu)	Kernel WT (000/lb)	Protein (%)	Height (inches)
		Two year averages				
Syngenta AgriPro	Monument	63	56	14	14	31
PlainsGold	Denali	61	56	13	14	32
PlainsGold	Byrd	60	56	14	14	31
PlainsGold	Antero	60	56	13	14	32
-----	NE10589	58	56	14	14	33
Husker Genetics	Robidoux	58	56	13	15	31
WestBred	WB-Grainfield	58	56	13	14	32
-----	NE09521	56	56	14	15	32
----	Infinity CL	56	55	13	14	32
WestBred	Winterhawk	56	57	13	14	32
Husker Genetics	Settler CL	55	55	13	15	32
Husker Genetics	Freeman	55	55	14	14	31
-----	NE09517	55	56	13	15	32
-----	NE10478	55	56	14	15	30
----	Wesley	55	54	13	15	31
-----	Warhorse	54	51	16	15	32
Husker Genetics	Overland	54	57	14	15	33
-----	Bearpaw	54	52	16	15	32
-----	NW07505 (W)	53	54	14	15	32
Limagrain Cereal Seeds	T158	52	56	12	14	31
Husker Genetics	McGill	52	55	15	14	33
-----	Mattern	52	54	13	16	33
-----	NX04Y2107W	52	54	12	16	33
-----	Judee	51	51	14	15	31
Limagrain Cereal Seeds	LCS Mint	51	54	14	14	31
Syngenta AgriPro	SY Wolf	51	54	14	15	30
----	NW03666 (W)	51	55	14	15	33
PlainsGold	Hatcher	48	53	14	14	31
----	Mace	48	53	16	15	31
Limagrain Cereal Seeds	LCS Wizard	48	55	15	15	29
PlainsGold	Brawl CI Plus	48	55	14	15	31
WestBred	WB4458	47	53	13	15	30
Limagrain Cereal Seeds	LCH10-13	46	56	14	15	32
----	Scout 66	43	56	13	15	36
----	Turkey	42	56	14	16	36
Average of all entries		**53**	**55**	**14**	**15**	**32**
Difference required for significance at 5%		**11**	**4**	**1.5**	**0.8**	**3**

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS (continued)

Brand	Variety	Yield (bu/a)	Bu WT (lb/bu)	Kernel WT (000/lb)	Protein (%)	Height (inches)
Three year averages						
PlainsGold	Byrd	54	55	16	14	29
PlainsGold	Denali	53	55	15	14	30
PlainsGold	Antero	53	55	15	14	30
Husker Genetics	Robidoux	52	55	15	15	30
----	Infinity CL	52	55	15	15	31
WestBred	Winterhawk	51	56	15	15	30
WestBred	WB-Grainfield	51	55	16	15	30
Husker Genetics	Overland	51	56	15	15	31
-----	NE09517	50	56	15	15	30
-----	NE09521	50	54	16	15	30
Husker Genetics	Settler CL	50	54	15	15	30
Husker Genetics	Freeman	49	54	16	15	29
----	Wesley	49	54	15	15	29
Syngenta AgriPro	SY Wolf	47	54	16	15	29
-----	NW07505 (W)	47	54	16	15	31
Limagrain Cereal Seeds	LCS Mint	46	54	16	14	30
Limagrain Cereal Seeds	T158	46	55	15	15	29
----	NW03666 (W)	46	54	16	15	31
Husker Genetics	McGill	46	53	17	15	31
PlainsGold	Brawl CI Plus	45	55	15	16	29
-----	Mattern	45	53	15	16	31
WestBred	WB4458	44	53	15	15	28
----	Mace	41	52	17	15	29
----	Scout 66	40	55	15	15	34
----	Turkey	38	55	16	16	34
Average of all entries		**48**	**54**	**16**	**15**	**30**
Difference required for significance at 5%		**7**	**2**	**1.3**	**0.7**	**2**

WEST CENTRAL DRYLAND WHEAT VARIETY TESTS (continued)

Brand	Variety	Yield	Bu WT	Kernel WT	Protein	Height
		Four year averages				
PlainsGold	Byrd	60	57	16	13	30
Husker Genetics	Robidoux	57	57	15	14	31
PlainsGold	Denali	57	57	15	13	32
WestBred	Winterhawk	55	58	15	14	31
----	Infinity CL	55	57	15	14	32
Husker Genetics	Freeman	55	55	16	14	30
Husker Genetics	Overland	54	58	15	14	33
Husker Genetics	Settler CL	54	56	15	14	31
Syngenta AgriPro	SY Wolf	54	56	16	14	30
Limagrain Cereal Seeds	T158	53	57	15	14	30
Limagrain Cereal Seeds	LCS Mint	53	57	16	14	31
PlainsGold	Brawl CI Plus	52	57	15	14	30
----	Wesley	52	55	15	14	30
Husker Genetics	McGill	51	55	17	14	32
----	NW03666 (W)	51	56	16	14	32
-----	NW07505 (W)	50	56	16	14	32
-----	Mattern	49	55	15	15	32
----	Mace	46	54	17	14	30
----	Scout 66	43	57	15	14	36
----	Turkey	39	56	16	15	36
Average of all entries		**52**	**56**	**15**	**14**	**32**
Difference required for significance at 5%		**7**	**2**	**1.1**	**0.6**	**2**
		Five year averages				
PlainsGold	Byrd	61	57	16	13	31
PlainsGold	Denali	60	57	15	13	32
Husker Genetics	Robidoux	60	58	15	14	32
WestBred	Winterhawk	58	58	15	13	32
Husker Genetics	Freeman	58	56	16	13	31
Syngenta AgriPro	SY Wolf	58	56	16	14	31
----	Infinity CL	57	57	15	13	33
Husker Genetics	Settler CL	57	56	15	13	31
Husker Genetics	Overland	57	58	15	13	33
----	Wesley	55	56	15	14	30
PlainsGold	Brawl CI Plus	55	57	15	14	31
Husker Genetics	McGill	54	56	16	13	33
----	NW03666 (W)	54	57	15	14	33
-----	NW07505 (W)	53	56	16	14	33
-----	Mattern	52	55	15	14	32
----	Mace	50	54	17	14	30
----	Scout 66	44	57	15	14	37
----	Turkey	41	57	16	15	38
Average of all entries		**55**	**57**	**15**	**14**	**32**
Difference required for significance at 5%		**6**	**1**	**0.9**	**0.5**	**2**

WEST DRYLAND WHEAT VARIETY TESTS - 2015

CHEYENNE, DEUEL, STATE LINE, AND BOX BUTTE COUNTY

Brand	Variety	Avg Yield (bu/a)	Chey. Yield (bu/a)	Deuel Yield (bu/a)	NE-WY State Line Yield (bu/a)	Box Butte Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (in.)	Kernel Weight (000/ lb)	Grain Protein (%)
-----	NE10589	26	32	26	20	39	63	33	14	13
PlainsGold	Antero	25	32	27	16	29	61	30	13	11
CRFW	Cowboy	25	27	28	20	31	60	33	15	11
South Dakota AES	Redfield	25	31	27	16	47	63	30	15	12
Syngenta AgriPro	Monument	25	33	26	17	44	61	31	14	12
Limagrain	LCI13NEDH-14-53W	25	33	25	17	48	62	33	13	12
Husker Genetics	Overland	24	30	24	18	37	62	34	14	13
Husker Genetics	Robidoux	24	28	26	17	34	61	31	14	12
----	Panhandle	24	28	23	20	37	61	37	14	13
Limagrain	LCS Mint	24	26	27	20	12	62	31	13	11
	N11MD2166W	24	33	22	17	36	61	33	16	13
	NI10718W	24	29	26	17	32	61	33	13	13
Limagrain	LCH13NEDH-5-59	24	30	25	16	48	62	34	16	11
WestBred	Winterhawk	23	26	26	16	31	62	32	13	11
Husker Genetics	Freeman	23	28	23	18	33	60	32	14	12
PlainsGold	Denali	23	27	25	16	45	61	33	14	11
Limagrain	T158	23	28	23	19	28	62	29	13	13
WestBred	WB-Grainfield	23	32	24	14	21	62	30	13	13
-----	NE10478	23	28	20	20	34	62	30	13	13
WestBred	Web-Quake	23	28	23	17	40	61	34	18	11
Wildcat Genetics	Oakley CL	23	30	26	13	27	61	31	13	12
----	Pronghorn	22	28	22	15	.	61	40	14	13
PlainsGold	Hatcher	22	20	28	18	20	60	33	13	12
PlainsGold	Byrd	22	26	23	16	37	61	32	15	11
-----	NE09517	22	29	19	17	29	63	34	13	13
-----	NE09521	22	27	21	19	27	61	35	14	12
WestBred	WB4458	22	26	23	16	20	61	31	14	13
-----	Warhorse	22	29	20	16	37	60	33	17	13
-----	NX04Y2107W	22	27	21	18	24	60	32	13	14
Wildcat Genetics	KanMark	22	26	26	15	31	62	31	15	12
Limagrain	LCH13NEDH-3-31	22	30	22	15	26	61	31	12	13
----	Infinity CL	21	25	22	17	35	61	33	14	13
NuPride	Camelot	21	27	19	16	31	60	34	13	13
-----	Mattern	21	27	21	14	18	61	32	13	14
-----	NW07505 (W)	21	24	21	17	34	61	35	15	12
South Dakota AES	Ideal	21	25	21	16	37	61	32	17	11
Syngenta AgriPro	SY Wolf	21	23	24	16	17	60	29	15	12
	NX11MD2337	21	24	21	17	40	59	35	15	13
	CO11D174	21	26	22	14	32	60	33	15	11
	NE10507	21	28	21	15	19	60	32	16	13

WEST DRYLAND WHEAT VARIETY TESTS - 2015

CHEYENNE, DEUEL, STATE LINE, AND BOX BUTTE COUNTY

Brand	Variety	Avg Yield (bu/a)	Chey. Yield (bu/a)	Deuel Yield (bu/a)	NE-WY State Line Yield (bu/a)	Box Butte Yield (bu/a)	Bushel Weight (lb/bu)	Plant Height (in.)	Kernel Weight (000/ lb)	Grain Protein (%)
----	Alliance	20	22	20	17	36	60	32	15	12
----	Goodstreak	20	23	18	18	34	61	38	15	13
PlainsGold	Brawl CI Plus	20	24	19	17	22	61	30	15	14
	NE10683	20	22	18	20	26	58	33	15	12
----	Buckskin	19	23	18	17	33	61	43	15	12
----	Wesley	19	25	18	15	31	60	29	13	14
Husker Genetics	Settler CL	19	22	17	17	32	61	32	13	13
-----	Bearpaw	19	24	18	16	34	60	33	16	13
----	Mace	18	21	16	16	34	59	31	16	13
----	NW03666 (W)	18	18	18	18	40	59	33	16	12
Limagrain	LCH10-13	18	23	18	13	26	61	32	15	13
Limagrain	LCS Wizard	18	17	18	20	21	59	31	17	12
----	Turkey	17	20	16	15	26	61	40	15	13
-----	Judee	17	22	16	13	19	60	31	15	13
----	Scout 66	16	21	17	11	23	60	42	13	13
WestBred	WB4059CLP	15	13	15	16	.	59	27	19	14
Average of all entries		**22**	**26**	**22**	**17**	**31**	**61**	**33**	**14**	**12**
Diff. required for significance at 5%		**4**	**3**	**5**	**4**	**-**	**3**	**4**	**1**	**1**

WEST DRYLAND WHEAT VARIETY TESTS 2011- 2015

Brand	Variety	Grain Yield (bu/a)	Bu. WT (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Two year averages						
CRFW	Cowboy	43	60	14	11	31
PlainsGold	Antero	41	61	13	11	28
PlainsGold	Denali	41	61	14	12	31
-----	NE10589	41	61	14	13	31
Limagrain Cereal Seeds	LCS Mint	40	61	13	12	30
Husker Genetics	Overland	40	61	14	13	31
Husker Genetics	Robidoux	40	60	14	13	29
PlainsGold	Byrd	39	60	15	12	30
----	Panhandle	39	60	14	13	35
PlainsGold	Hatcher	39	60	13	12	30
-----	Warhorse	38	60	16	13	30
Husker Genetics	Freeman	38	60	14	12	29
-----	NE09517	38	61	13	13	31
WestBred	Winterhawk	38	61	13	11	30
-----	NE09521	38	60	14	13	32
-----	Mattern	37	60	14	14	30
Limagrain Cereal Seeds	T158	37	61	13	13	27
WestBred	WB-Grainfield	36	60	13	13	29
PlainsGold	Brawl CI Plus	36	61	14	14	29
NuPride	Camelot	36	60	13	13	31
-----	NE10478	36	61	13	14	28
Husker Genetics	Settler CL	35	60	13	13	30
-----	NX04Y2107W	35	59	13	14	29
----	NW03666 (W)	35	59	14	13	31
-----	Bearpaw	35	60	15	13	30
-----	NW07505 (W)	34	60	14	13	32
WestBred	WB4458	34	60	13	14	29
----	Goodstreak	34	60	14	13	34
----	Alliance	34	60	14	13	30
Limagrain Cereal Seeds	LCS Wizard	34	60	15	12	28
----	Pronghorn	33	61	14	13	35
----	Buckskin	33	60	14	13	37
----	Wesley	33	59	13	14	27
Limagrain Cereal Seeds	LCH10-13	33	61	14	13	30
-----	Judee	32	59	14	13	30
----	Turkey	29	61	15	14	35
----	Scout 66	29	60	13	13	37
Average of all entries		**36**	**60**	**14**	**13**	**31**
Difference required for significance at 5%		**5**	**2**	**1.3**	**0.9**	**3**

WEST DRYLAND WHEAT VARIETY TESTS 2011- 2015 (continued)

Brand	Variety	Grain Yield (bu/a)	Bu. WT (lb/bu)	Kernel Weight (000/lb)	Grain Protein (%)	Plant Height (inches)
Three year averages						
CRFW	Cowboy	44	59	15	12	30
PlainsGold	Antero	43	60	14	12	28
Limagrain Cereal Seeds	LCS Mint	42	61	13	12	29
PlainsGold	Denali	42	60	14	12	30
PlainsGold	Byrd	41	59	15	12	30
Husker Genetics	Robidoux	41	59	15	13	29
Husker Genetics	Overland	40	59	15	13	31
PlainsGold	Hatcher	40	59	14	12	29
----	Panhandle	40	59	14	13	33
WestBred	Winterhawk	40	60	14	12	29
Husker Genetics	Freeman	39	58	14	12	28
-----	NE09517	39	61	13	13	30
-----	NE09521	39	59	15	12	31
WestBred	WB-Grainfield	38	59	14	13	29
PlainsGold	Brawl CI Plus	38	60	14	13	29
Limagrain Cereal Seeds	T158	38	61	13	12	27
NuPride	Camelot	38	59	13	13	30
-----	Mattern	37	58	15	14	30
Husker Genetics	Settler CL	37	59	14	13	29
----	Goodstreak	37	59	15	13	33
-----	NW07505 (W)	37	59	14	13	31
----	NW03666 (W)	36	58	15	13	30
----	Alliance	36	59	15	13	29
WestBred	WB4458	36	59	14	13	29
----	Wesley	35	58	14	14	27
----	Buckskin	35	60	15	13	34
----	Pronghorn	35	60	15	13	34
Limagrain Cereal Seeds	LCH10-13	34	60	15	13	29
----	Scout 66	31	59	14	13	35
----	Turkey	31	60	16	14	34
Average of all entries		**38**	**59**	**14**	**13**	**30**
Difference required for significance at 5%		**3**	**1**	**1.0**	**0.8**	**3**
Four year averages						
PlainsGold	Byrd	42	60	15	12	29
Limagrain Cereal Seeds	LCS Mint	42	61	13	12	28
PlainsGold	Denali	42	60	14	12	29
PlainsGold	Hatcher	41	60	14	12	28
Husker Genetics	Robidoux	41	60	15	12	29
Husker Genetics	Overland	40	60	15	13	30
----	Panhandle	40	59	14	13	32

WEST DRYLAND WHEAT VARIETY TESTS 2011- 2015 (continued)

Brand	Variety	Grain Yield	Bu. WT	Kernel Weight	Protein (%)	Height (in)
Four year averages (continued)						
WestBred	Winterhawk	39	60	14	12	29
Husker Genetics	Freeman	39	59	15	12	28
PlainsGold	Brawl CI Plus	39	60	14	13	28
Limagrain Cereal Seeds	T158	38	61	13	12	27
NuPride	Camelot	38	59	13	13	30
Husker Genetics	Settler CL	38	59	13	13	29
-----	Mattern	37	59	15	14	29
----	NW03666 (W)	37	59	15	12	29
----	Goodstreak	36	60	15	13	32
-----	NW07505 (W)	36	59	14	13	30
----	Wesley	36	59	14	13	27
----	Alliance	35	59	16	13	28
----	Buckskin	35	60	15	12	34
----	Pronghorn	35	60	15	13	33
----	Scout 66	31	60	14	13	34
----	Turkey	31	60	16	13	33
Average of all entries		**38**	**60**	**14**	**13**	**30**
Difference required for significance at 5%		**3**	**1**	**0.8**	**0.7**	**2**
Five year averages						
PlainsGold	Denali	48	60	14	12	30
Husker Genetics	Robidoux	47	60	15	12	29
Husker Genetics	Freeman	47	59	14	12	29
PlainsGold	Byrd	46	59	15	11	30
----	Panhandle	45	59	14	12	32
PlainsGold	Brawl CI Plus	45	60	14	13	29
Husker Genetics	Overland	45	60	15	12	30
PlainsGold	Hatcher	45	59	14	12	28
WestBred	Winterhawk	44	60	14	11	29
Husker Genetics	Settler CL	44	60	14	12	29
----	NW03666 (W)	43	59	15	12	30
NuPride	Camelot	42	59	13	12	30
-----	Mattern	42	59	14	13	29
----	Alliance	41	59	15	12	29
----	Goodstreak	41	60	15	12	32
----	Wesley	40	59	14	13	28
----	Pronghorn	39	60	15	12	34
----	Buckskin	39	60	15	12	34
----	Scout 66	35	60	14	12	34
----	Turkey	34	60	16	13	33
Average of all entries		**43**	**59**	**14**	**12**	**30**
Difference required for significance at 5%		**4**	**1**	**0.8**	**0.6**	**2**

2015 WHEAT GRAIN YIELD RANK AT ALL LOCATIONS TESTED

Variety	Saline	Saunders	Lancast	Clay	Keith	Furnas	Hitch.	Lincoln	Perkins	Chey.	Deuel	NE-WY
“1863”	46	47	42	37	66	31	58	76	48	-	-	-
Alliance	-	-	-	-	-	-	-	-	-	22	20	17
Antero	-	-	-	-	72	50	54	60	62	32	27	16
Bearpaw	-	-	-	-	74	20	49	59	41	24	18	17
Brawl CI Plus	-	-	-	-	49	35	39	52	50	24	19	17
Buckskin	-	-	-	-	-	-	-	-	-	23	18	17
Byrd	-	-	-	-	68	32	44	57	58	26	23	17
Camelot	31	25	25	-	-	-	-	-	-	27	19	16
CO11D174	-	-	-	-	64	26	38	47	63	26	22	14
Cowboy	-	-	-	-	-	-	-	-	-	28	28	20
Denali	-	-	-	-	76	45	55	53	56	28	25	16
Everest	32	39	29	30	-	-	-	-	-	-	-	-
Freeman	41	36	45	24	74	46	48	64	50	28	23	18
Goodstreak	-	-	-	-	-	-	-	-	-	23	18	18
Hatcher	-	-	-	-	48	41	42	27	49	20	28	19
Ideal	-	-	-	-	-	-	-	-	-	25	21	16
Infinity CL	-	-	-	-	66	45	62	68	47	25	22	17
Judee	-	-	-	-	60	31	38	54	41	22	16	13
KanMark	38	37	37	28	59	34	41	52	50	26	26	15
LCH10-13	37	36	28	23	61	26	45	46	46	23	18	13
LCH11-1117	50	44	38	-	-	-	-	-	-	-	-	-
LCH13NEDH-3-31	37	36	38	30	68	47	46	64	57	30	22	16
LCH13NEDH-5-59	36	24	30	28	70	39	62	78	57	30	25	16
LCI13NEDH-14-53W	-	-	-	-	68	45	59	71	54	33	25	18
LCS Mint	26	20	22	15	50	31	43	44	48	26	27	20
LCS Wizard	-	-	-	14	56	26	29	28	42	17	18	20
Mace	-	-	-	-	54	33	32	41	42	21	16	16
Mattern	28	27	31	34	61	41	63	57	39	27	21	15
McGill	23	20	30	-	66	44	47	55	39	-	-	-
Monument	-	-	-	-	69	57	75	70	54	33	26	17
N11MD2130W	-	-	-	-	69	45	66	74	52	-	-	-
N11MD2166W	-	-	-	-	73	49	62	67	55	33	22	17
NE07531	-	-	-	10	-	-	-	-	-	-	-	-
NE09517	26	21	28	32	65	39	55	64	43	29	19	17
NE09521	38	32	33	28	68	45	55	73	48	27	21	19
NE10478	44	49	41	35	73	44	53	64	44	28	20	20
NE10507	31	31	36	21	68	46	38	50	54	28	21	15
NE10589	36	35	37	36	75	54	67	73	44	32	26	20
NE10683	21	19	28	16	64	31	37	49	49	22	18	20
NI10718W	33	30	40	25	67	40	57	66	57	29	26	17
NW03666 (W)	-	-	-	-	65	27	54	50	47	18	18	18
NW07505 (W)	15	24	24	15	65	29	49	52	55	24	21	17

2015 WHEAT GRAIN YIELD RANK AT ALL LOCATIONS TESTED (cont)

Variety	Saline	Saunders	Lancast	Clay	Keith	Furnas	Hitch.	Lincoln	Perkins	Chey.	Deuel	NE-WY
NX04Y2107W	32	26	30	32	60	38	63	69	40	27	21	18
NX11MD2337	36	27	31	18	62	35	37	59	38	24	21	17
Oakley CL	-	-	-	-	-	-	-	-	-	30	26	13
Overland	42	33	38	35	68	42	60	64	51	30	24	18
Panhandle	-	-	-	-	-	-	-	-	-	28	23	20
Pronghorn	-	-	-	-	-	-	-	-	-	28	22	15
Redfield	-	-	-	-	-	-	-	-	-	31	28	16
Robidoux	-	-	-	-	71	42	55	70	47	28	26	17
Scout 66	20	23	38	21	52	32	54	50	47	21	17	11
Settler CL	-	-	-	-	70	33	49	55	53	22	18	17
SY Flint	-	-	-	-	61	37	45	33	43	-	-	-
SY Southwind	49	43	31	-	-	-	-	-	-	-	-	-
SY Sunrise	-	-	-	-	69	53	61	68	53	-	-	-
SY Wolf	60	54	42	-	62	36	35	27	55	23	24	16
T158	34	23	35	42	60	39	60	54	46	28	23	19
Turkey	20	26	30	16	46	27	51	50	42	20	16	15
Warhorse	-	-	-	-	66	29	39	56	46	29	20	16
WB4059CLP	-	-	-	-	-	-	-	-	-	13	15	16
WB4458	-	-	-	29	49	32	40	34	39	26	23	16
WB-Cedar	48	43	36	31	-	-	-	-	-	-	-	-
WB-Grainfield	-	-	-	40	60	50	54	64	57	32	24	14
WB-Redhawk	28	21	17	15	-	-	-	-	-	-	-	-
Web-Quake	-	-	-	-	-	-	-	-	-	28	23	17
Wesley	26	24	35	21	62	31	51	63	46	25	18	15
Winterhawk	-	-	-	-	70	36	41	69	53	26	27	16

2015 WHEAT GRAIN PROTEIN RANK AT ALL LOCATIONS TESTED

Variety	Saline	Saunders	Lancaster	Keith	Furnas	Hitch.	Lincoln	Perkins	Cheyenne	Deuel	NE-WY
“1863”	13	14	12	14	14	15	16	13	-	-	-
Alliance	-	-	-	-	-	-	-	-	13	13	12
Antero	-	-	-	13	14	15	14	12	11	11	10
Bearpaw	-	-	-	14	15	15	15	13	13	13	12
Brawl CI Plus	-	-	-	13	16	15	15	15	14	16	14
Buckskin	-	-	-	-	-	-	-	-	13	13	11
Byrd	-	-	-	13	15	15	14	11	11	12	11
Camelot	14	14	14	-	-	-	-	-	13	14	12
CO11D174	-	-	-	14	14	14	15	11	11	11	11
Cowboy	-	-	-	-	-	-	-	-	12	11	10
Denali	-	-	-	14	13	14	14	13	11	12	10
Everest	14	15	15	-	-	-	-	-	-	-	-
Freeman	15	15	12	13	13	15	15	13	12	12	12
Goodstreak	-	-	-	-	-	-	-	-	12	14	13
Hatcher	-	-	-	13	13	14	14	13	12	12	12
Ideal	-	-	-	-	-	-	-	-	12	12	11
Infinity CL	-	-	-	13	14	14	14	14	12	14	13
Judee	-	-	-	14	16	16	16	14	12	14	12
KanMark	16	16	14	13	16	15	15	13	12	13	11
LCH10-13	15	14	14	13	16	15	15	13	13	13	12
LCH11-1117	15	14	14	-	-	-	-	-	-	-	-
LCH13NEDH-3-31	15	15	14	13	13	14	15	14	14	13	13
LCH13NEDH-5-59	15	15	14	13	14	15	15	13	13	11	10
LCI13NEDH-14-53W	-	-	-	13	14	14	15	13	12	12	11
LCS Mint	14	13	13	14	15	14	14	13	11	12	11
LCS Wizard	-	-	-	14	15	16	15	14	12	13	11
Mace	-	-	-	14	16	14	16	15	13	14	12
Mattern	14	15	15	14	15	15	17	16	14	15	14
McGill	14	15	13	13	15	15	13	14	-	-	-
Monument	-	-	-	13	13	14	15	14	11	13	11
N11MD2130W	-	-	-	14	14	15	14	12	-	-	-
N11MD2166W	-	-	-	13	13	15	14	13	12	14	12
NE09517	16	15	14	14	14	15	14	15	13	13	13
NE09521	15	16	14	13	15	15	16	15	12	13	12
NE10478	15	16	15	13	16	15	15	14	12	15	13
NE10507	14	15	13	13	13	15	14	13	12	13	12
NE10589	14	14	13	13	14	14	14	14	12	14	12
NE10683	14	14	13	13	15	14	15	14	12	13	12
NI10718W	15	15	13	13	14	14	15	15	13	13	13
NW03666 (W)	-	-	-	14	15	16	15	13	13	13	12
NW07505 (W)	14	14	14	14	15	15	15	13	13	12	12
NX04Y2107W	15	15	15	14	17	15	17	17	14	15	14

2015 WHEAT GRAIN PROTEIN RANK AT ALL LOCATIONS (cont)

Variety	Saline	Saunders	Lancaster	Keith	Furnas	Hitch.	Lincoln	Perkins	Cheyenne	Deuel	NE-WY
NX11MD2337	16	16	14	13	15	15	16	17	14	13	13
Oakley CL	-	-	-	-	-	-	-	-	12	12	11
Overland	14	14	13	13	14	15	14	14	13	13	11
Panhandle	-	-	-	-	-	-	-	-	14	13	12
Pronghorn	-	-	-	-	-	-	-	-	13	13	12
Redfield	-	-	-	-	-	-	-	-	12	13	11
Robidoux	-	-	-	13	14	14	15	14	12	12	12
Scout 66	17	16	14	13	16	16	15	14	14	14	11
Settler CL	-	-	-	14	15	14	15	14	13	13	12
SY Flint	-	-	-	14	15	15	15	15	-	-	-
SY Southwind	15	14	13	-	-	-	-	-	-	-	-
SY Sunrise	-	-	-	13	15	15	15	14	-	-	-
SY Wolf	16	15	15	14	16	16	16	13	12	13	12
T158	16	15	13	13	14	14	14	14	12	14	12
Turkey	16	16	14	14	15	16	16	15	14	14	12
Warhorse	-	-	-	14	15	15	17	15	12	14	12
WB4059CLP	-	-	-	-	-	-	-	-	13	15	13
WB4458	-	-	-	13	15	16	17	16	13	14	14
WB-Cedar	16	16	15	-	-	-	-	-	-	-	-
WB-Grainfield	-	-	-	13	13	14	14	13	13	12	13
WB-Redhawk	14	15	15	-	-	-	-	-	-	-	-
Web-Quake	-	-	-	-	-	-	-	-	11	12	10
Wesley	15	15	15	13	16	14	16	14	14	14	13
Winterhawk	-	-	-	14	15	15	14	12	11	11	10

2015 WHEAT BUSHEL WEIGHT RANK AT ALL LOCATIONS TESTED

Variety	Saline	Saunders	Lancaster	Keith	Furnas	Hitchcock	Perkins	Cheyenne	NE-WY Stateline
“1863”	49	50	60	54	55	62	47	-	-
Alliance	-	-	-	-	-	-	-	58	62
Antero	-	-	-	55	53	54	55	62	61
Bearpaw	-	-	-	54	37	51	47	59	62
Brawl CI Plus	-	-	-	52	53	55	48	61	61
Buckskin	-	-	-	-	-	-	-	60	62
Byrd	-	-	-	57	48	53	54	60	62
Camelot	45	38	52	-	-	-	-	59	62
CO11D174	-	-	-	54	46	46	53	61	60
Cowboy	-	-	-	-	-	-	-	58	62
Denali	-	-	-	54	52	53	53	61	62
Everest	48	52	57	-	-	-	-	-	-
Freeman	47	44	58	53	51	50	53	59	62
Goodstreak	-	-	-	-	-	-	-	59	62
Hatcher	-	-	-	51	50	48	46	59	61
Ideal	-	-	-	-	-	-	-	60	63
Infinity CL	-	-	-	55	49	54	52	61	62
Judee	-	-	-	55	46	29	47	59	60
KanMark	47	46	60	52	55	57	55	62	61
LCH10-13	49	51	58	56	46	57	55	62	61
LCH11-1117	48	51	59	-	-	-	-	-	-
LCH13NEDH-3-31	46	48	59	54	55	57	54	62	60
LCH13NEDH-5-59	49	34	55	58	47	55	51	63	61
LCI13NEDH-14-53W	-	-	-	54	52	59	50	63	60
LCS Mint	39	33	45	54	51	42	52	62	63
LCS Wizard	-	-	-	52	48	50	52	57	62
Mace	-	-	-	48	43	52	50	58	60
Mattern	43	38	55	51	52	54	48	61	61
McGill	37	30	56	56	43	54	50	-	-
Monument	-	-	-	52	54	55	52	61	60
N11MD2130W	-	-	-	55	51	50	58	-	-
N11MD2166W	-	-	-	55	53	55	53	61	61
NE09517	41	32	55	53	55	55	53	64	61
NE09521	47	45	55	56	50	54	53	61	61
NE10478	49	49	58	58	52	55	52	62	62
NE10507	43	43	56	54	51	45	52	59	60
NE10589	46	45	59	56	52	57	52	64	62
NE10683	36	32	51	53	35	43	51	56	60
NI10718W	48	44	59	52	49	58	52	62	61
NW03666 (W)	-	-	-	51	47	52	52	56	62
NW07505 (W)	24	24	48	55	41	48	53	59	62
NX04Y2107W	42	39	52	51	48	52	52	60	60

2015 WHEAT BUSHEL WEIGHT RANK AT ALL LOCATIONS (cont)

Variety	Saline	Saunders	Lancaster	Keith	Furnas	Hitchcock	Perkins	Cheyenne	NE-WY Stateline
NX11MD2337	48	35	57	53	43	42	49	58	61
Oakley CL	-	-	-	-	-	-	-	61	61
Overland	51	46	61	57	53	58	53	62	62
Panhandle	-	-	-	-	-	-	-	61	61
Pronghorn	-	-	-	-	-	-	-	60	62
Redfield	-	-	-	-	-	-	-	64	61
Robidoux	-	-	-	54	51	54	54	61	61
Scout 66	38	36	61	56	47	60	54	60	61
Settler CL	-	-	-	53	47	54	52	59	62
SY Flint	-	-	-	53	52	52	53	-	-
SY Southwind	50	49	57	-	-	-	-	-	-
SY Sunrise	-	-	-	57	54	58	51	-	-
SY Wolf	53	52	57	52	48	44	51	60	61
T158	43	37	55	53	54	60	52	62	62
Turkey	38	38	55	57	48	60	53	61	61
Warhorse	-	-	-	50	42	33	48	59	61
WB4059CLP	-	-	-	-	-	-	-	56	61
WB4458	-	-	-	49	49	47	48	60	61
WB-Cedar	47	49	55	-	-	-	-	-	-
WB-Grainfield	-	-	-	52	56	51	53	63	61
WB-Redhawk	41	35	36	-	-	-	-	-	-
Web-Quake	-	-	-	-	-	-	-	60	62
Wesley	43	38	58	53	44	56	50	60	59
Winterhawk	-	-	-	54	55	54	55	61	62

2015 WINTER BARLEY VARIETY TRIAL (BVT)

LINCOLN-NE AND MEAD-NE

	Yield (bu/ac)				Heading Date	Avg Height	Winter Survival (%)	
Entry Name	Lincoln	Mead	Average	Rank	May Date	Inches	Lincoln	Mead
P-713	3108	2196	2652	5	140	35	92	97
P-721	2491	1896	2194	20	139	34	93	95
P-954	3115	2142	2628	7	139	35	92	97
TAMBAR 501	2105	1391	1748	34	139	35	83	80
NB09437	2548	1332	1940	29	139	33	87	87
NB10403	1443	1351	1397	38	143	36	67	87
NB10417	2682	2200	2441	13	136	36	93	98
NB10425	2514	1647	2080	24	137	33	85	90
NB10444	3058	2068	2563	11	140	38	95	95
NB99845	2623	863	1743	35	138	33	78	55
NB11414	2310	1822	2066	25	141	34	87	97
NB11416	2742	1712	2227	19	141	36	88	93
NB11430	2830	1420	2125	21	138	34	95	92
NB12419	2577	2373	2475	12	140	37	90	95
NB12421	2683	1779	2231	18	140	35	95	93
NB12424	1799	1371	1585	36	145	35	73	77
NB12425	2642	2030	2336	14	141	37	88	95
NB12426	1610	1920	1765	33	142	38	63	90
NB12434	3120	2482	2801	4	137	32	87	97
NB12437	3526	2592	3059	1	139	35	90	93
NB13401	2791	1447	2119	23	139	35	85	77
NB13415	2776	1256	2016	27	139	35	97	77
NB13430	1808	722	1265	40	143	32	67	48
NB13435	2687	1964	2326	15	142	37	88	95
NB13436	1606	1057	1331	39	143	33	70	63
NB14401	2009	996	1503	37	141	34	70	87
NB14403	2392	1855	2123	22	138	38	80	93
NB14404	3150	2093	2621	8	139	36	92	90
NB14405	3080	2124	2602	9	141	40	88	95
NB14409	2507	1582	2045	26	140	32	85	88
NB14412	3097	1373	2235	17	140	32	83	80
NB14414	2734	1112	1923	30	141	32	90	80
NB14417	2900	1087	1993	28	139	33	85	77
NB14418	2583	1026	1804	32	141	33	90	73
NB14422	3076	1395	2236	16	139	32	97	83
NB14423	2579	1052	1816	31	140	30	93	73
NB14428	3061	2084	2573	10	138	32	87	97
NB14429	3232	2039	2635	6	137	32	93	93
NB14430	3174	2465	2820	2	135	32	98	97
NB14433	3446	2162	2804	3	137	32	87	98
Average all entries	**2655**	**1661**	**-**	**-**	**-**	**-**	**86**	**87**
Difference sig. 5%	**704**	**471**	**-**	**-**	**-**	**-**	**17**	**11**

2015 Winter Triticale Variety Trial (TVT)

Lincoln, Mead, and Sidney

Entry Name	Grain Yield (lb/ac)				Rank	Plant Height (cm)	Winter Survival (%)	Bacterial Streak (1-9)	Forage Quality components							
	Lincoln	Mead	Sidney	Avg					Dry Forage Yield (lbs/ac)	Dry Matter (%)	IVDMD (%)	NDF (%)	ADF (%)	ADL (%)	Protein (%)	Rank
NE422T	2010	1390	3136	1987	**17**	62	98	3	6675	0.27	69	65	39	5	12	**8**
NE426GT	2252	1955	3499	2383	**14**	49	100	4	6675	0.29	68	63	37	5	11	**9**
NT05421	2774	2387	3829	2830	**5**	55	100	3	6599	0.29	67	65	39	6	11	**11**
NT06422	2596	1970	3802	2587	**9**	51	100	4	6171	0.30	68	63	38	6	11	**15**
NT06427	2648	1678	3742	2479	**13**	48	100	3	6921	0.28	69	63	37	5	12	**6**
NT07403	2932	1943	3481	2646	**6**	46	100	4	5628	0.31	68	63	37	5	11	**17**
NT09423	2690	2450	3936	2843	**4**	48	100	2	7495	0.27	69	64	37	6	12	**3**
NT10417	2194	1801	3912	2380	**15**	49	100	3	5905	0.27	69	64	37	5	12	**16**
NT11406	2664	1648	3789	2482	**12**	48	100	3	6460	0.28	68	64	38	5	11	**12**
NT11428	2641	1924	3416	2509	**11**	54	100	3	7384	0.28	68	65	38	6	11	**4**
NT12403	3115	2205	4005	2929	**2**	48	100	4	6182	0.30	67	64	38	6	11	**14**
NT12404	2621	2018	3535	2563	**10**	48	98	4	6839	0.31	68	63	37	5	10	**7**
NT12406	2519	2063	3859	2604	**7**	52	100	5	7593	0.29	68	64	38	6	12	**2**
NT12425	2532	1719	3172	2335	**16**	54	100	3	7167	0.29	67	65	39	6	10	**5**
NT13416	2748	2410	3977	2858	**3**	51	96	4	6655	0.31	68	63	37	5	11	**10**
NT13443	3265	2501	3473	3001	**1**	59	100	3	8356	0.31	67	65	39	6	10	**1**
OVERLAND	2472	2095	3875	2602	**8**	39	97	3	6275	0.29	69	63	37	5	12	**13**
Average	**2628**	**2009**	**3673**	**2589**	**-**	**51**	**99**	**3**	**6763**	**-**	**68**	**64**	**38**	**5**	**11**	**-**

UNIVERSITY OF NEBRASKA VARIETY TESTING PROGRAM

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